

IN THE CLAIMS:

Please amend the claims as shown in the attached LISTING OF THE CLAIMS.

LISTING OF CLAIMS

Claim 1 (Deleted)

Claim 2 (Amended) A method of fabricating said a variator disc of Claim 1 for use in a variator of a toroidal continuously variable transmission, said disc including a concave race at least on one side surface thereof for rolling movement of rollers, and a spline hole at its center which is to mesh with an input shaft, said method comprising the steps of:

heat treating a blank for said disc for adjusting a surface hardness thereof to not less than Hv700 whereby said disc has a surface hardness of not less than Hv700 at said race;

annealing said spline hole by high frequency heating while cooling said race whereby said disc has a surface hardness of not more than Hv600 at said spline hole, and whereby at least a thin portion between said spline hole and an inside circumferential edge of said race varies in hardness between a hardened layer of a bottom of said spline hole and a hardened layer of said race by an amount of not less than Hv20 per 1-mm depth; and

finishing said spline hole and said race.

Claim 3 (Amended) The method of fabricating said a variator disc as claimed in Claim 2, wherein a cooling jig is positioned in parallel with said race as defining to define a minor gap therebetween, and wherein said race is cooled by circulating a coolant through said cooling jig.

Claim 4 (Original) The method of fabricating said a variator disc as claimed in Claim 3, wherein said minor gap between said race and said cooling jig is in the range of 0.3 to 0.5 mm.